

(1) Number of pages 56(2) Date of repair 18-11-42

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. 855

582-583

Press

Mis-

Dated 28-3-1865.

Not to be folded or roughly handled

**Proceedings of the Madras Government, Public Works Department,
28th March 1865.**

No. 582. Read the following letter from Captain F. J. MOBERLY, R. E., Superintending Engineer, 8th Division, to Colonel C. A. ORR, R. E., Secretary to Government, Department Public Works, dated Madura, 8th March 1865, No. 2,789 —

SIR,

No. 3,517, 3,678, 3,751, 3,808, 1, 97, 183, 2,851, and 3,183,
dated 30th November, 12th, 18th, and 23rd December 1863,
4th, 11th, and 18th January, 4th October and 4th Nov 1864.

ENCLOSURES

6 Abstract estimates.
5 Specifications
6 Plans
1 Sketch
1 Copy of Collector's letter No. 1,335, dated 7th Nov 1864

1. Referring to Government Orders, numbers, and dates as per margin, I have the honor to forward plans and estimates for the under-mentioned Salt roads in the District of Madura, countersigned by the Collector in token of approval:—

	Rs.
1. Estimate for constructing a road from Tondy to Dindigul ...	70,800
2 Do. do. from Madura to Ramnad	60,500
3 Do. do. from Madura to Tondy... ..	51,600
4. Do. do. a branch road from Vyravanathapatnum Salt platform to Mana Madura.	20,500
5. Do. do. from Yettivial to Morecolum Salt Platform.	5,800
6. Do. do. from road No. 8 or Coast road to Managudi Salt Platform	2,730
Total...	2,11,930

* Vile list No. 1 of branch Salt roads printed in G. O. No. 2,854, 4th October 1864.
† 1,490

2 The Collector being of opinion that the road* from Vuttanum Platform to the coast road is not required, the estimate for it is not submitted

3. I beg to point out that these estimates do not allow generally for metalling except at those points where it is easily procured.

4 I submit them as desired to do so, but beg to observe that I consider the construction of the roads on these principles is a waste of money—See my No. 1,451, dated 18th October 1864

No. 583. ORDER THEREON, 28th March 1865, No. 855.

1. With the foregoing letter the Superintending Engineer, 8th Division, submits, with reference to the Orders* of Government marginally noted, plans and estimates for the improvement of the undermentioned Salt roads in the Madura District:—

MAIN LINES.

	Rs.	Rs.
1 Tondy to Dindigul, via Vuttanum, Devacotti, Tripattur and Nuttam, 96½ miles in length... ..	70,800	
2 Ramnad to Madura, via Tirupavanum, Mana Madura, and Peramagudi, 70½ miles in length	60,500	
3. Tondy to Madura, via Shevagungah, 58 miles in length	51,600	
Total for Main Lines ...	1,82,900	

BRANCH LINES.

1. Vyravanathapatnum to Mana Madura, 37½ miles in length.	20,500
2. Morecolum to Yettivial 12½ miles in length	5,800
3 Manargudi to coast road No. 8, about 1½ of a mile in length.	2,730

Total for Branch Lines ... 29,030

Grand total ... 2,11,930

2 The great importance of these roads has already been recognized by Government, and at the time the estimates for them were called for, there was a probability of funds being forthcoming to some extent during the ensuing official year to admit of the work upon their improvements being at least put in hand

3. There is, however, now no possibility of this, and the Government have no alternative but to defer consideration of the estimates.

(True Extract)

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

To the Revenue Department.
Superintending Engineer, 8th Division.

Exd. S. T. Augustin.

Report to accompany Estimate for
Constructing a third Class Government Salt
Road from Tondy to Dindigul, in the
District of Madurai. Length 96 Miles
and 1320 Yard L.

2 Amount of Estimate Rupees
/40800/ Seventy thousand eight hundred Com-
prising the following items:

145639 $\frac{3}{4}$ C.Y. of Earth at R^d .. 1-6 per C.Y. 13683-10-9

89773 $\frac{3}{4}$ D^o of D^o Gravel at R^d .. 2-.. D^o 11221-10-3

18409 $\frac{3}{4}$ D^o of Gravelly at R^d .. 4-.. D^o 4602-5-6

1480 D^o of Rocky at R^d .. 8-.. D^o 740-..-..

15 D^o of Blasting at R^d 2-..-.. D^o 30-..-..

175050 Sg^r G^d of Turp at R^d .. 1-.. per Sg^r G^d 10940-10-..

1440 D^o of D^o at R^d .. 1-6 D^o 135-..-..

7561 $\frac{1}{4}$ C.Y. of Gravel at R^d .. 8-.. per C.Y. 3780-10-..

682 $\frac{1}{2}$ D^o of Sand at R^d .. 4-.. D^o 170-10-..

5190 D^o of D^o at R^d .. 6-.. D^o 1946-4-..

4000 Sg^r G^d of Cutting Jungle at R^d .. 4-.. } 10-..-..
per 100 Sg^r G^d ..

13500 D^o of Planting Nanel at R^d 2-..-.. } 270-..-..
per 100 Sg^r G^d ..

6 C.Y. of Removing Rock at R^d 4-..-.. } 24-..-..
per C.Y. ..

100950 Lineal G^d of Tamping & levelling
Road at R^d 5 per 100 Lineal Yard } 5047-8-..

Cutting Roots and picking up loose
Stones .. } 300-..-..

21 Tunnels of 3 x 1 $\frac{1}{2}$ at R^d 126 each 2646-..-..

Carried over 55518-4-6

Am 10/12

Distich. Nodosa

Work Constructing Salt Road from Fondy to Mendota
Length 96 Miles and 1320 Yards.

Quantities	Description of Work	Rate	Amount	Amount of each part
145,639 1/2	Cubic yards of Earth ————— at	1 6	13,653 10 9	
89,773 3/8	— Do — of — Do — and Gravelly at	2	11,221 10 3	
18,409 3/8	— Do — of — Gravelly ————— at	4	4,602 5 6	
11,80	— Do — of — Rocky ————— at	8	740	
15	— Do — of — Blasting ————— at	2	30	
17,500	Spacing posts ————— at	1	17,500 10	
14,40	— Do — ————— at	1 6	125	
75-6 1/4	Cubic yards of Gravel ————— at	8	3,780 10	
68 1/2	— Do — of Sand ————— at	4	170 10	
5190	— Do — of — Do ————— at	6	19,464	
4000	Sq yds of Cutting Jungle per 100 Sq yds —	4	10	
13500	— Do — of — Planting, Haul & at	2	270	
6	Cubic yards of Removing Rock at	4	24	
100,950	Linear yards of Tamping and Levelling Road at 5 Rs per 100 Sq yds		5047 8	
	Cutting, Roots and picking up — loose Stones —————		300	
	Sundries —————		813 11 6	53686
	Carried Over —————			53686

Carried Over

53686

I hope to accompany
 Edmund for constructing
 Salt Works from early to
 August in the interest of
 Indiana -
 From 28° N. Lat. / 85° W. L. 53°

26/11/88 3/65

(7) "Victor's"
Book is now ordered from
the publisher (see above) in that
of which I have
100/9

Wm. D. L. G.

1867

Brought forward		53686		
<u>No. 1. Tunnel of 3 x 1 1/2.</u>				
600 7/8	Ceet or 22 6 2/3	Cy ² Brick in Ch ^m at 4	88	15 9
4	Guard Stones	at 1 8	6	
Excavating foundation & filling in approaches			25	
Sundries			6	3 126
Tunnels 2 x 1 1/2 as above detailed 126				2520
<u>No. 2. Tunnel of 1 1/2 x 3/4</u>				
417 5/8	Ceet or 15 12 5/8	Cy ² Brick in Ch ^m at 4	61	13 2
Excavating foundation & filling in approaches			20	
Sundries			4	2 10 86
Tunnels 1 1/2 x 3/4 as above detailed 86				1032
<u>No. 3. Bridge 2 abut b x 3.</u>				
1375 1/2	Ceet or 50 2 5/8	Cy ² Brick in Ch ^m at 4	203	12 5
2	Guard Stones	at 1 8	6	
Excavating foundation Centriings and filling in approaches			44	
Sundries			12	3 7 266
3 Bridges b x 3 as above detailed 266				798
<u>No. 4. Bridge of b x 3</u>				
1151 3/4	Ceet or 42 17 3/4	Cy ² Brick in Ch ^m at 4	170	10
4	Guard Stones	at 1 8	6	
Excavating foundation Centriings and filling in approaches			44	
Sundries			11	6 232
11 Bridges b x 3 as above detailed 232				2552
<u>No. 5. Bridge of 18 x 6</u>				
3967 1/8	Ceet or Cy ² 146 15 7/8	Brick in Ch ^m at 4	586	5 7
4	Guard Stones	at 1 8	6	
Carried Over				592 5 7 61298

Brought forward		592 5 7 61298		
Excavating foundation Centriings and filling in approaches				
Sundries			33	70 5 726
<u>No. 6. Rep^d 2 Arched Bridge</u>				
224 7/8	Ceet or 8 13 3/4	Cy ² Brick in Ch ^m at 4	33	15 3
Sundries			2	9 36
<u>No. 7. Bridge of 12 x 4</u>				
2799	Ceet or 103 15 1/2	Cy ² Brick in Ch ^m at 4	414	10 8
4	Guard Stones	at 1 8	6	
Excavating found ^r Centriings and filling in approaches			67	
Sundries			24	5 4 512
4 Bridges 12 x 4 as above detailed 512				2048
<u>No. 8. 3 Vent Platform Tunnel</u>				
197 1/4	Ceet or 73 2 1/2	Cy ² Brick in Ch ^m at 4	29	7 1
212 5/8	Dr ^r Covering Stones	at 6	79	11 9
4	Guard Stones	at 1 8	6	
Excavating found ^r Baling &c			65	
Sundries			23	13 2 467
1 Tunnel of 3 Vents as above detailed 467				467
<u>No. 9. 15 ft² Road Dam</u>				
25	Coyards Brick in Chunam	at 4	100	
13 1/8	Dr ^r Jelly	at 1	13	2
13 1/8	Dr ^r Gravel	at 12	9	13 6
Excavating found ^r &c			10	
Sundries			7	6 1140
<u>No. 10. Rebuild Arch to a Tunnel of b x 3</u>				
275 5/8	Ceet or 10 5 5/8	Cy ² Brick in Ch ^m at 4	40	13 8
Sundries			2	2 4 43
Carried Over				65737

Brought forward				65737
<u>No. 11. 6 Vent Platform Bridge</u>				
3233 1/8	Ce. or 12 1/2 x 27	Ce. Brick in Chm	4	487 4 5
425 1/4	D- Covering Stones	at	6	159 7 6
4	Guard Stones	at	1 8	6
	Excavating foundation and filling			130
	Sundries			39 4 1
<u>No. 12. Platform Tunnel of 4 x 2.</u>				822
551 1/4	Ce. Rough Stone in Chm	at	2	68 14 6
74 1/4	D- Covering Stones	at	6	27 13 6
	Excavating found. & filling in approaches			20
	Sundries			6 4
12. Platform Tunnel 4 x 2. as above det. 123				123
<u>No. 13 Platform Tunnel of 6 x 3</u>				1476
690	Ce. Rough Stone in Chm	at	2	86 4
128	D- Covering Stones	at	6	40 8
	Excavating found. & filling in approaches			80
4	Guard Stones	at	1 8	6
	Sundries			9 4
4 Platform Tunnels as above detailed 182				182
<u>No. 14 2 Vent Platform Tunnel of 6 x 3</u>				728
1088	Ce. Rough Stone in Chm	at	2	136
216	D- Covering Stone	at	6	81
4	Guard Stones	at	1 8	6
	Excavating foundation and filling in approaches			50
	Sundries			14
3 2 Vent Platform Tunnel as above detailed				287
<u>No. 15. 4 Vent Platform Bridge and another 1 Vent 6 x 3.</u>				861

Brought forward				70216
2382	Ce. Rough Stone in Chm	at	2	297 12
506 1/4	D- Covering Stone	at	6	189 13 6
4	Guard Stones	at	1 8	6
	Excavating foundation and filling in approaches			70
	Sundries			20 6 6

Total of Estimate Rupees. 70,800

Sup. Eng. Office 8.5.3
Madura 25.5.15

H. Lushby Captain R.E.
Superintending Eng. 8.5.15

H. Lushby
Collector

25.5.15

Communications

New York 13

Abstract Estimate No. 119 of 1864-65

District Madura

Work. Constructing Road from Madura to Ramnad
Length 70 miles and 1140 yards.

Quantities	Description of Work	Rate	Amount	Amount of each part.
17527 1/16	Cubic Yards of Earth at	16	16431 11	
1806 1/4	D° of Gravel at	12	1354 11	
1512 1/2	D° of D° at	1	1512 8	
3812 1/2	D° of D° at	4	3515 10	
1212 1/2	D° of Sand at	2	151 7	
17143 3/4	D° of D° at	4	4285 15	
169996	Square Yards Surf at	1	10624 12	
4200	D° Planting Sand at per 100	2	84	37960 12
80550	Lineal Yds of Tamping & Rolling Road at 5 Rs. per 100 Lineal Yds.	5	4027 8	4027 8
	Sundries			41988 4
	Total			621 12

No. 1 3 x 1 1/2 Tunnel

605 2/16	Bricks or 22 1/2 x 11 1/2 x 7 1/2 Brick in Chunar at	14	89 10 5	
4	Guard Stones at	1.8	6	
	Excavating foundation Centring and filling in approaches		25	
	Sundries		6 57	127
110	Tunnels 3 x 1 1/2 as above detailed at	127		5080

No. 2 6 x 3 Tunnel

1151 1/4	Bricks or 14 1/2 x 7 1/2 x 7 1/2 Brick in Chunar at	14	170 10	
4	Guard Stones at	1.8	6	
	Excavating foundation Centring and filling in approaches		4 11	

Carried over

220 10 47817

10.15.2 of 1864, 65

10.15.2 of 1864, 65

10.15.2 of 1864, 65

10.15.2 of 1864, 65

10.15.2 of 1864, 65

Brought forward			220 10	47,517	
Sundries			11 6	232	
17	Funnels 6 x 3 as above detailed at	232		3944	
No. 3 12 x 4 Bridge 2' abutts					
2650	C. ft. or 95 $\frac{1}{2}$ C. ft. Brick in Chumam	4		3429 5	
4	Guard Stones at	1 8		6	
Excavating foundation Centlings and filling in approaches				35	
Sundries			23 6 7	457	
1	Bridge 12 x 4 as above detailed at	457		457	
No. 4 Reconstructing Arch to 3 x 1 1/2 Tunnel					
126	C. ft. or 4 $\frac{18}{27}$ C. ft. Brick in Chumam	4		18 10 8	
Centlings &c.				10	
Sundries			1 5 4	30	
No. 5 18 x 6 Bridge					
3878 1/2	C. ft. or 11 $\frac{1}{2}$ $\frac{18}{27}$ C. ft. Brick in Chumam	4		574 8 11	
4	Guard Stones at	1 8		6	
Excavating foundation (Baling Centlings) and filling in approaches				100	
Sundries			35 7 1	716	
4	Bridges 18 x 6 as above detailed at	716		2864	
No. 6 1 1/2 x 3/4 Tunnel					
417 5/8	C. ft. or 15 $\frac{12}{27}$ C. ft. Brick in Chumam	4		61 13 11	
Excavating foundation filling in approaches				20	
Sundries			1 2 1	86	
17	Funnels 1 1/2 x 3/4 as above detailed at	86		1462	
No. 7 Rebuilding Arch to 3 x 1 1/2 Tunnel					
82 1/2	C. ft. or 3 $\frac{1}{2}$ $\frac{12}{27}$ C. ft. Brick in Chumam	4		12 3 7	
Centlings &c.				7	
Sundries				12 5	
Carried over				20	
				58,055	

Brought forward					15
No. 8 12 x 4 Bridge with abutts					58,055
2799	C. ft. or 103 $\frac{18}{27}$ C. ft. Brick in Chumam	4		414 10 8	
4	Guard Stones at	1 8		6	
Excavating foundation Baling Centlings and filling in approaches				60	
Sundries			24 5 4	505	
1	Bridge 12 x 4 as above detailed at	505		505	
No. 9 2 Arched Bridge each 9 x 1 1/2					
3430 3/8	C. ft. or 127 $\frac{18}{27}$ C. ft. Brick in Chumam	4		508 3 3	
4	Guard Stones at	1 8		6	
Excavating foundation Baling Centlings and filling in approaches				100	
Sundries			30 12 9	645	
No. 10 9 x 1 1/2 Bridge					
1717 1/8	C. ft. or 63 $\frac{18}{27}$ C. ft. Brick in Chumam	4		254 6 4	
4	Guard Stones at	1 8		6	
Excavating foundation Centlings and filling in approaches				40	
Sundries			15 7 8	316	
1	Bridge 9 x 1 1/2 as above detailed at	316		316	
No. 11 Wings & Parapets to require to 3 x 1 1/2 Tunnel					
325 1/2	C. ft. or 12 $\frac{1}{2}$ $\frac{12}{27}$ C. ft. Brick in Chumam	4		48 3 7	
Excavating foundation &c.				10	
Sundries				3 12 5	
Carried over				60,434	

(Brought forward)		60434	"	"
1	(Funnel 3 x 1 1/2 as above detailed)	62	"	"
No. 12. Repairing sluice.				
12	C. ft. or 12/24 by D. B. R. in chum 4	1	12	8
Sundries		"	37	2
1	(Sluice as above detailed, at 2	"	2	"
Total Estimated Repairs		60500	"	"

Sup^d Eng^r & Officer S^d & Co.
 Madras - 25th Fe^b/65
 H. J. Leach
 Captain R. C.
 Superintending Engineer & S^d D. M.
 M. L. L. L.
 Collector

574-575

Encls 3 (1) a letter from the
 Sup^r Engineer dated
 8th March 1865

15/3/89
 J. H. P. to Govt
 15/3/89

No. 119 of 1865/65

44883/65

Abstract Estimate for
 constructing Road from
 to Ramnadi in the District
 of Bradua. Rupees 66500
 Sixty thousand and five
 hundred
 Prev. 28th March 1865 to 14th 5-82

Report to accompany Estimate for constructing a three class Govern-
 ment Road from Bradua to Ramnadi in the District of Bradua
 Length 70 miles and 1140 yards

2 Amount of Estimate Rupees 66500 / Sixty
 thousand and five hundred comprising the following
 items.

17527¹⁵/₁₆ cubic yards of Earth at Rs 0.1.6 per bay 10421.11-
 1006¹/₄ do of Gravel at " " 12 " do 1354.11-
 1572¹/₂ do of do at " 1 " " do 1572-0-
 2012¹/₂ do of do at " 1 4 " do 3515.10-
 1212¹/₂ do of Sand at " 2 " do 157-9-
 17143³/₄ do of do at " 4 " do 4205.15-
 169996 Square yds Surf at " 1. " per Sq. 10624.12-
 4200 do Planting Sand at Rs 2 per 100

Sq. 04-
 00550 Linear yards of Jampping and levelling
 Road at 5 Rs per 100 linear yards 4027-0-
 41 Tunnels of 3 x 1¹/₂ at Rs 127 each 5207-
 10 do of 6 x 3 at Rs 232 each. 4176-
 2 Bridges of 12 x 4 at Rs 457 each 914-
 Reconstructing Arch to a Tunnel of 3 x 1¹/₂ 30-
 5 Bridges of 10 x 6 at Rs 716 each - 3580-
 10 Tunnels of 1¹/₂ x 3/4 at Rs 86 each - 1540-
 Rebuilding Arch to a Tunnel of 2 x 1 20-
 2 Bridges of 12 x 4 with 3 Abutments at
 Rs 505 each 1010-
 1 Bridge of 2 Arches each 9 x 4¹/₂ 645-
 2 Bridges of 9 x 4¹/₂ at Rs 316 each - 632-
 2 Tunnels of 3 x 1¹/₂ at Rs 62 each - 124-

Carried over. 59074.4

Brought forward 590 1/4 4 "
Repairing 2 Sluices at No 2 each — 4 - " - "
Sluices — 621 - 12 - "

Total of Estimate Rupees 60,500 " "

3

The top surface of the Road is to be 6 yards in width, of which 5 yards are to be metalled. The metal is to consist of 4 1/2 inches of gravel and 4 1/2 inches of sand in some parts. The side slopes of the Subaniment are to have generally a slope of 1 1/2 to 1 and are to be turfed.

4.

The Road passes through the principal towns of Trufaranna, Nannamadura and Parama. gudi.

Sup^d Engr^y in office 8th Feb
Madura - 25th Feb 1895

L. H. G. S. S. Captain R. E.
Superintending Engineer S. D. S. S.

[Signature]
Director
Madura
27th Feb 95

Communications

Abstract Estimate No 110 of 10/6/65
District Madurai

Work Constructing Salt Road from Madurai to Soudy.
Length 50 miles and 960 yards.

Quantity	Description of work.	Rate	Amount			Amount for each part.
5514 1/2	Cubic yards of Earth ——— at	" 1 6	5769	0	10	
307 11 15/32	do — of — do ——— at	" 2 "	4030	14	11	
709 1/2	do — of Sand ——— at	" 4 "	1974	6	"	
400 1/2	do — of — do ——— at	" 0 "	2403	12	"	
5200 1/2	do — of — do ——— at	" 12 "	3966	5	3	
11734 1/2	Square yards of Surf ——— at	" 1 "	7330	13	6	
24300	do — of — do ——— at	" 1 6	2205	10	"	
44665	do — of — do ——— at	" 2 "	5503	2	"	
10320	do of clearing jungle at per 100 Sqyds.	" 4 "	40	12	9	
77400	Linear yards of Jamming and Leveling Road at 5 Rs per 100 Linear yards.	5 "	3074	"	"	37470 5 3
	Summers.					774 10 9
						30245 " "
No 1. Tunnel of 3 x 1 1/2						
30 6 1/2	beds of Brick in Chumam — at	4 "	120	14	3	
14	guards stones ——— at	1 0 "	6	"	"	
	Excavating foundations and filling in Approaches ———		25	"	"	
	Summers ———		0	1	9	100 " "
22	Tunnels of 3 x 1 1/2 as above detailed at 160	"				3520 " "
No 2 Tunnel of 6 x 3. Water						
	Items requested					
6 22 1/2	beds of Brick in Chumam — at	4 "	27	5	4	5
27	Excavating foundation and filling					
	Carriers over ———		27	5	4	41925

Abstract to accompany Estimate for constructing Road from Madurai to Soudy in the District of Madurai.

10/6/65

10/6/65

10/6/65

10/6/65

17
 1865
 Made & in addition to
 that of November 1864
 8. 11 made 1865
 24 (1865)
 The Clerk of Court
 1865

- Carried over... $57215 - 5 - 3$

Brought forward 50215-5-3
 1 Bridge of 12 x 6 ————— 105 — " — "
 1 Do of 12 x 4 ————— 505 — " — "
 Sundries ————— 774-10-9
Total of Estimate 51600 — " — "

3 The top surface of the Road is to be 6 yards in width which are to be covered with 1 1/2 inches of Sand in some parts.

The Side Slopes of the Embankment are to have generally a slope of 1 1/2 to 1 and are to be turfed.

4 The Road passes thro the principal Villages of Poorandy Padamatur and the town of Shervagimgh and the Villages of Caliarcovil Siruvagumputh and Siruvadanay

H. H. H. H. Captain R. E.

Supg Engⁿ 8ⁿ Dⁿ

Sup^t Engr^s Office 8ⁿ Dⁿ
 Madras 25th 7th 1850

W. H. H.
 Collector

W. H. H.

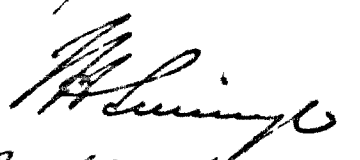
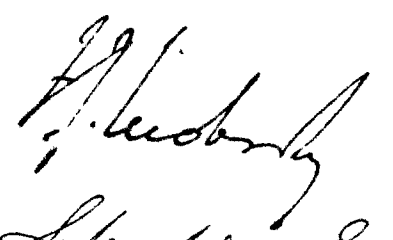
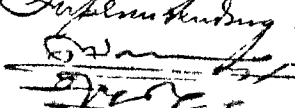
111 188903
 Mrs. S. A. Thompson
 1000 Superior St. S. D. Dakota
 S. D. March 1889
 My
 dear Sir,
 Please send me
 25 copies

Length 37 miles and 210 yards

Quantity	Description of work	Rate	Amount	Amount for each part.
71304 ³ / ₈	Cubic yards of Earth _____ at .	16	8692.47	
109 ¹¹ / ₁₆	_____ do _____ do _____ at "	2	13.44	
4060	Square yards of Surf _____ at "	1	303.12	
15340	_____ do _____ do _____ at "	16	1456.44	
2940	Cubic yards of Sand _____ at "	6	1102.8	9569.11
	Structures _____			410.41
				9900
	<u>No. 1 Tunnel of 3 x 1 1/2</u>			
226 ¹¹ / ₁₆	Cubic yards of Brick in Churnard _____ at	1	803.9	
1 ²⁷ / ₁₆	Gravel Stairs _____ at	1	6	
	Excavating foundation and filling in Approaches _____		25	
	Structures _____		5.3	125
16	Tunnels of 3 x 1 1/2 as above detailed _____ at	125		2000
	<u>No. 2 Bridge of 12 x 4</u>			
103 ¹⁰ / ₂₇	Cu. yds. of Brick in Churnard _____ at	4	416.00	
1 ¹ / ₁₆	Gravel Stairs _____ at	1	6	
	Excavating foundations, cuttings and filling in Approaches _____		67	
	Structures _____		24.54	512
1	Bridges of 12 x 4 as above detailed _____ at	572		2048
	<u>No. 3 Tunnel of 1 1/2 x 3/4</u>			
15 ^{12 5} / ₂₇	Cu. yds. of Brick in Churnard _____ at	4	613.2	
	Excavating foundation and filling in Approaches _____		20	
	Structures _____		4.20	86
3	Tunnels of 1 1/2 x 3/4 as above detailed _____ at	86		258
	Carried over _____			15009

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Suptg. in office 843
Madura - 25th Feb/10


 Collector

 Superintendent Engineer of P. & D.


Report to accompany Estimate for constructing a third class Government Branch Road from Road No. 1 or Coast Road to Changanacherry Salt Platform in the District of Madras. Length 1590 yards.

2 Amount of Estimate Rupees 2730/-
 Thousands Seven hundred and Thirty comprising the following
 7090 Cuyds of Earth at Rs. 13 per cuyd 611-0-0
 2754 Squareyards of Turf at 16 per sqyd. 250-3-0
 1 Bridge of 6 x 3 300-0-0
 2 Bridges of 12 x 4 at Rs 720 each 1452-0-0
 Sundries 10-12-6

Total of Estimate Rupees 2730/-

3 The top surface of the Road is to be 6 yards in width. The side slopes of the embankment are to have a slope of 1 1/2 to 1 and are to be turfed.
 1 The Road passes through no principal Villages.

Prepared by Engg. Officer S. S. S. S.
 Madras 25th Feb 1885

H. J. Leachman Esq. Captain R. E.
 Superintending Engineer S. E. Division.
 Collector

Approved
 S. S. S. S.

(1) 1885
 To the Hon. Secy. to Govt. of Madras
 P. O. Secy. to Govt. of Madras
 P. O. Secy. to Govt. of Madras
 P. O. Secy. to Govt. of Madras

No 116 of 1885/85
 2730/85

Abstract Estimate of
 Branch Road from Changanacherry
 Salt Platform to
 Changanacherry in the District
 of Madras. Estimate 2730/-
 Twenty thousand and five
 hundred
 Rupees 2730/-

Communications

Abstract Estimate No. 117 of 1864/65

Subnet - Madras.

Work— Branch Road from Yellur on Marudra and Nammad
Road to Procculm Sull Platforms
Length 12 miles and 230 yards

Quantities	Description of work	Rate	Amount	Amount for each part
230 1/2	cubic yards of Earth ——— at	" 1 6	2160 0 6	
	Structures ———		07 7 6	2240 ..
	<u>No 1 Tunnel of 3 x 1 1/2</u>			
22 1/2	bricks of Brick in Chumans ——— at	4 "	09 10 5	
2 1/4	Guard Stones ——— at	1 0 "	6 "	
	Excavating foundation and filling in Approaches ———		25 "	
	Structures ———		6 5 7	127 ..
5	Tunnels of 3 x 1 1/2 as above detailed at	127 "		635 ..
	<u>No 2 Bridge of 6 x 3</u>			
42 1/2	bricks of Brick in Chumans ——— at	4 "	170 10 "	
4	Guard Stones ——— at	1 0 "	6 "	
	Excavating foundation, Centings and filling in Approaches ———		44 "	
	Structures ———		11 6 "	232 ..
3	Bridges of 6 x 3 as above detailed at	232 "		696 ..
	<u>No 3 Bridge of 6 x 3. 2' side walls</u>			
50 25 1/2	bricks of Brick in Chumans ——— at	4 "	203 12 5	
2 1/4	Guard Stones ——— at	1 0 "	6 "	
	Excavating foundation, Centings and filling in Approaches ———		44 "	
	Barred Area ———		253 12 5	3930 ..

Report to Government
Estimated for constructing
Branch Road from Yellur on
Marudra and Nammad
Road to Procculm Sull Platforms
Length 12 miles and 230 yards
Subnet - Madras.
1864/65

Brought forward	253	12	5	3930	"	"
Sundries	12	3	7	266	"	"
Bridges of 6 x 3 as above detailed at 266				1596	"	"
Total Rupees				5000	"	"

Sup^d & Eng^rs Office & Co.
Madura 25th Feb^r/85

J. Hudsony Captain R.E.
Superintending Engineer P.W. Division

W. Lunn
Collector

[Signature]
27/2/85

Report to accompany Estimate for Con-
structing a third Class ^{Goods} Branch Road from
Yellivial, on c. Madurai and Ramanad. Road
to c. Morekulam Salt Paltform in the
District of c. Madurai. Length 12 Miles and
220 Yards.

2. Amount of Estimate, \$9,580.
Five thousand and eight hundred, comprising
the following items.

2304 $5\frac{7}{8}$ C of Earth at R... 1.6 per 64. 2160-8-6

6 Funnels of $3 \times 1\frac{1}{2}$ at $\$127$ each - 762 - " - "

4, Bridges of 6 x 3 at R^o. 232 - D^o - 928 - " - "

7 Bridges of 6 x 3 at R^o. 266 - D^o — 1862 —

Sundries— 187-7-6.

Total of Estimate: 5800. " "

3 The top Surface of the Road is to be 6 yards in width. The Side Slopes of the embankment are to have a Slope of $1\frac{1}{2}$ to 1

4 The Road passes through no principal Village.

H. Crosby. *Captain R. E.*

Superintending Eng^r 28th Dec^r 1871

H. L. Loring

Collector

Sup^d & Sug^d Office
of the Governor
Madison 25th Feb^y /65

24/6/83

Handwritten notes and signatures at the bottom of the page, including a signature that appears to be "J. Edgar Hoover".

10
 1860, 05
 Draft of new letter from the
 Anglo American S. S. Co. dated
 18. March 1860

Dear Mother

Oct 11th of 1884. 85.
 229/883/85.

Abstract Evidence for
Bond Road from position
to crosswalk with 80 ft
from in the amount of 100 ft
Exposed to 100 ft
distance and 100 ft

17) 1853 to
books 10-12 a ledger from the
1854 to 1855
S. Ward 1855
1856 to 1857
1858 to 1859
1860 to 1861
1862 to 1863
1864 to 1865
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Hubert
 Phelps
 Collector

Superintending Engineer of the
 1860-61

do not beg to observe that I consider the construction
of the roads on these principles is a waste of
money - See my No. 1451 dated 18th Sept^r 1864

I have &c

J. H. M. S. S. S.
Superintending Engineer 8th Divⁿ

51

30th March/65 No. 3517
12th Decr - - 3678
Copy in a letter to England
27th April 1865 No. 27.

To Mr. 15th Decr
From Mr. 15th Decr
To Mr. 15th Decr
From Mr. 15th Decr

The Secretary to Govt.
D. & C.

Dated 8th
March 1865

E 19. 15

Forwards Plans &
Estimates for certain salt roads
in the District of Madras.

E 19. 15

2. 17th March 1865 No. 21100

2. 17th March 1865 No. 21100

No. 855

Public Works Dept.
Proceedings of the Madras Government
Under date the 28th March 1865.

Read the following

From
The Superintending Engineer
8th Division

Forwards Plans and
Estimates for certain salt
road in the District of
Madras. } Here enters 8th March/65
No. 2789.

With the foregoing
letter the Superintending
Engineer 8th Division
submits with reference
to the orders of Govt.
Government accordingly
noted Plans and Estimates
for the improvement of
the undermentioned salt
roads in the Madras
District -
Main Lines -

No. 2854 dated 4th October/64

Wm. J. P. K. S. 15.
This might be the
as a side to the
about -

- 1 - Tondy to Sindigul, via
Vattannur, Ilavacotta, Kipattur
and Muttam, 96 $\frac{1}{2}$ Miles in length Rs 70,800
 - 2 - Rannad to Madura, via
Tirupavanur, Mana Madura,
and Paramagudi, 70 $\frac{1}{2}$ Miles
in length ————— Rs 60,500
 - 3 - Tondy to Madura, via
Thevargudi, 58 Miles in length Rs 51,600
- Total for main lines Rs 1,82,900
- Branch Lines -

- 1 - Vyzavanthapattanam to
Mana Madura, 37 $\frac{1}{2}$ Miles in length Rs 20,500
 - 2 - Morekolam to Jethirial
12 $\frac{1}{2}$ Miles in length ————— Rs 5,800
 - 3 - Managoody to Post road
No 8 - About $\frac{15}{16}$ of a mile in
length ————— Rs 2,730
- Total for Branch Lines Rs 29,030
- Grand Total Rs 2,11,930

The great importance
of these roads has already
been recognized by
Government, and at
the time the Estimates

for them were called for,
there was a probability
of funds being forth-
-coming to some extent.
During the ensuing financial
year to admit of the
work upon these im-
-provements being at least
put in hand.

There is however now
no possibility of this,
and the Government
have no alternative
but to defer considera-
-tion of the Estimates.

W.B.

7 The Revenue Dep^y
in Dept^y of Revenue & Finance

Sept. 30th 1900

Copy in as Letter to Englewood
#11 - 4 June 1865 p 27.

2006/05

1862. 22. 22.

227 1868 & 1869
Office of Govt. & Bank.

No 503
 No. of the Original
 of 28th March/85
 20239/85

*The Sup^r. Cong^s.
I am informed that
the consideration
of the resolution re-
lating to Dr.
Harrison's salary...
will be held on the
11th inst.*

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